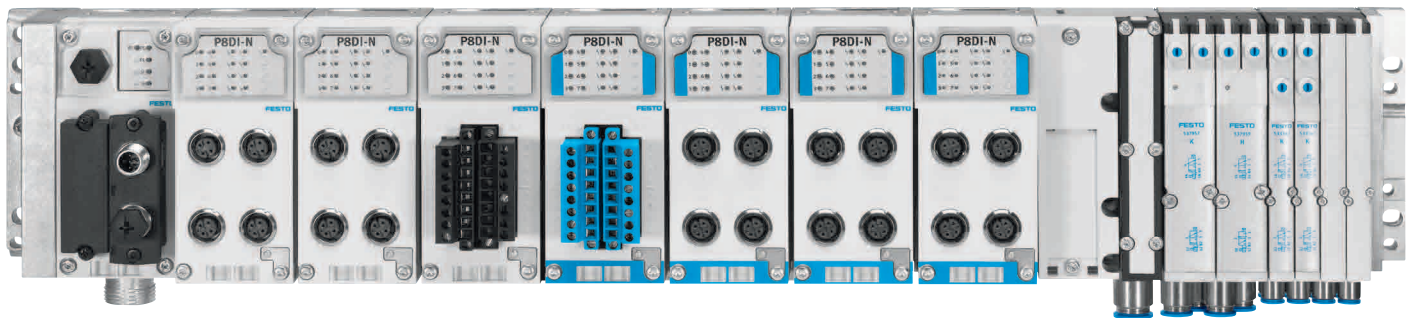


Remote I/O CPX-P for NAMUR signals

FESTO



Namur interface

Highlights

- Installation-saving
- Easy to integrate
- Highly modular
- Explosion-proof for control cabinets up to zone 2

A valve terminal and remote I/O for the process industry for control cabinets in zone 2: it is integrated, compact, all from a single source and comes in protection class IP65. Together with MPA valves it forms a NAMUR-compatible process interface with an extremely modular and flexible design.

Installation-saving

Thanks to the integration of valve terminal and remote I/O on a single platform. It is also extremely modular with up to 9 modules per terminal.

Versatile

Can be used conventionally with a control cabinet or without thanks to IP65 M12 connection technology for non-explosive areas. Partitions between the terminal modules permit parallel processing of intrinsically safe and non-intrinsically safe signals on one terminal.

Explosion-proof

ATEX certification for installing the terminal in a control cabinet within zone 2.

Easy to integrate

Is compatible with nearly all control and process control systems: PROFIBUS DP, PROFINET, Modbus TCP, DeviceNet and Ethernet/IP.

Great communication for PA applications

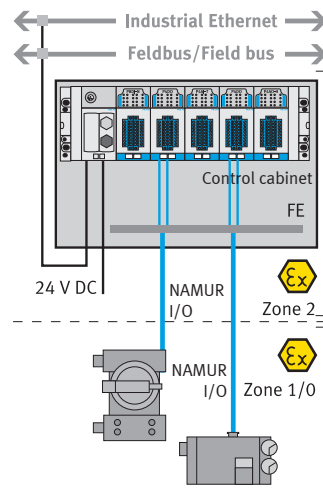
Digital NAMUR signal from sensors in non-explosive zones and explosive zones 1 and 2.

Remote I/O CPX-P for NAMUR signals

With or without a control cabinet? Both are possible!

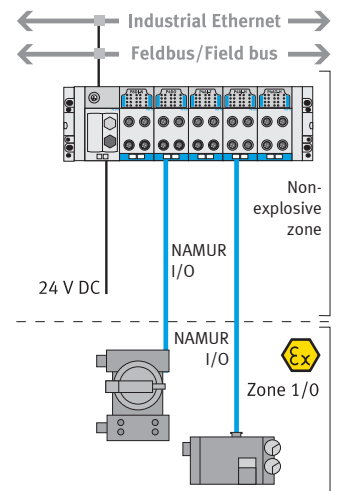
Installation in a control cabinet

Using plug-in screw terminal blocks (screw or cage terminals) the CPX-P terminal is suitable for installation in a control cabinet in potentially explosive areas up to zone 2.



Installation without control cabinet

M12 manifold blocks in protection class IP65 make installation without control cabinets possible. Field devices can be connected directly and without a cable guide as a shield support is integrated in the thread.



Module type	Function
CPX-P-8DE-N CPX-P-8DE-N-IS	8 digital inputs for NAMUR sensors or contacts. Four inputs can be configured as counters or for measuring frequency.
CPX-4AE-U-I	Input module, 4 analogue inputs 16 bit (current, voltage)
CPX-2AA-U-I	Output module, 2 analogue outputs
CPX-4DA	Output module, 4 digital outputs
CPX-8DA	Output module, 8 digital outputs
CPX-16DE	Input module, 16 digital inputs

Available fieldbus systems:

- DeviceNet
- PROFIBUS DP
- Ethernet/IP
- PROFINET
- Modbus TCP

Further technical features

- Possible to combine valves MPA 1/MPA 2, MPA-F
- Optional ex-certification for terminals as per ATEX:
- Ex-certification of modules (EX4 types): ATEX, IEC Ex, FM, each as associated equipment: II (1/2) GD [ia/ib] IIC T4
- Channel-by-channel diagnostics for all modules simplifies maintenance
- I/O for non-explosive and zone 2 applications AI, AO, DI, DO

2 modules: Ex and Non-Ex

The range of connection technologies and the plugs for the various terminal strips allow CPX-P to be exchanged and connected quickly and easily.

CPX-P in the digestion tower

Safe technology for control cabinets in potentially explosive environments up to zone 2. This enables CPX-P to be used, for example, in the control cabinet in a digestion tower.



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